Application Number	09/778,475
Filing Date	February 7, 2001
First Named Inventor	Engle, L ri P.
Art Unit	1774
Examiner Name	
Attorney Case Number	55188US014
	Filing Date First Named Inventor Art Unit Examiner Name

	& TRAU	EMP.	U.S. Patent	Documents	
Exam. Init.*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
N	A1	US- 5,989,685	11/23/99	Hockaday	
t	A2	US-			
	А3	US-			
	A4	US-			
	A5	US-		D _A	
	A6	US-		/CC	
	A7	US-		MAR	1/V
	A8	US-		70 4	
	A9	US-		7>	402
	A10	US-		100)
	A11	US-			

	Foreign Patent Documents							
Exam.	Cite	Fore	eign Patent Document	Publication Date	Name of Patentee or Applicant of Cited	Pages, Columns, Lines, Where Relevant Passages	Translation (Check if yes)	
lnit.*	No.	Ctry. Code	Number-KindCode (if known)	MM-DD-YYYY	Document Document	or Relevant Figures Appear		
	B1							
	B2							
	B3							
	B4							
	B5							
	В6							
	B7							

	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS							
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published						
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conformance and	not considered	. Include cor	py of this for	n with nex	t communication to applicant.	

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	Ħ		TIS	PATENT	DOCUMENTS			
Examiner	1 64 ×	Dogwent Number	r	Date	Name	Class	SubClass	Filing Date If
Initial	146	Dogment Number		02/01/00	Pekala et al.	}		Appropriate
4		6,087,051		07/11/00	Shoji Et al.			
4		0,087,031		07/11/00	Slioji Et al.			
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							-	
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		FC	RE	IGN PATE	NT DOCUMENTS	S		-
		Document Number		Date	Country	Class	SubClass	Translation
M		EP 0 459 501 A	1	12/04/91	EPO			Yes No
4		EP 0 972 651 A		01/19/00	EPO			
		21 0 3 / 2 03 I A		31/12/00				
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(Also form P	TU-1449)							

OMB No. 0651-0011

FORMATION DISCLOSURE STATEMENT

Atty. Docket No.: 55188USA9C.014

Application No.: 09/778,475

Applicant(s): 09/778,475

Filing Date: February 7, 2001

Group:

Examiner Initial	Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
M	3,957,724	05/18/76	Schurb et al.			
1	3,997,702	12/14/76	Schurb et al.			
	4,313,988	02/02/82	Koshar et al.			
	4,567,073	01/28/86	Larson et al.			
	4,605,592	08/12/86	Paquette et al.			
	4,614,667	09/30/86	Larson et al.			
	4,775,594	10/04/88	Desjarlais			
	4,904,519	02/27/90	Newman			
	4,935,307	06/19/90	Iqbal et al.			
	4,956,230	09/11/90	Edwards et al.			
	4,957,943	09/18/90	McAllister et al.			
	5,045,386	09/03/91	Stan et al.			
	5,126,195	06/30/92	Light			
	5,130,342	07/14/92	McAllister et al.			
	5,134,198	07/28/92	Stofko, Jr. et al.			
	5,141,790	08/25/92	Calhoun et al.			:
	5,192,617	03/09/93	Stofko, Jr. et al.			
	5,198,306	03/30/93	Kruse			
	5,202,190	04/13/93	Kantner et al.			
	5,208,092	05/04/93	Iqbal			
	5,219,928	06/15/93	Stofko, Jr. et al.			
	5,229,207	07/20/93	Paquette et al.			
	5,241,006	08/31/93	Iqbal et al.			
	5,290,615	03/01/94	Tushaus et al.			
	5,302,436	04/12/94	Miller			
	5,310,591	05/10/94	Dodge et al.			
	5,310,595	05/10/94	Ali et al.			
	5,342,688	08/30/94	Kitchin et al.			
	5,352,736	10/04/94	Stofko, Jr. et al.			
	5,354,813	10/11/94	Farooq et al.			
	5,376,727	12/27/94	Iqbal et al.			
7	5,389,723	02/14/95	Iqbal et al.			

2127/03

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Patent and Trademark Office, U.S. Department of Commerce

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OMB No. 0651-0011

INFORMATION DISCLOSURE STATEMENT Atty. Docket No.: 55188USA9C.014

Application No.: 09/778,475

Applicant(s): Engle et al.

Filing Date: February 7, 2001

Group:

	U.	S. PATENT	DOCUMENTS			
Examiner Initial	Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
M	5,403,955	04/04/95	Farooq			
1	5,445,866	08/29/95	Martinson et al.			
	5,464,900	11/07/95	Stofko, Jr. et al.			
	5,472,789	12/05/95	Iqbal et al.		•	
	5,518,809	05/21/96	Henry et al.			
	5,565,518	10/15/96	Stofko, Jr. et al.			
	5,567,507	10/22/96	Paff et al.			
	5,589,269	12/31/96	Ali et al.			
	5,658,802	08/19/97	Hayes et al.			
	5,667,674	09/16/97	Hanggi et al.			
	5,686,602	11/11/97	Farooq et al.			
	5,688,603	11/18/97	Iqbal et al.			
	5,707,722	01/13/98	Iqbal et al.			
	5,712,027	01/27/98	Ali et al.			
	5,721,086	02/24/98	Emslander et al.			
	5,747,148	05/05/98	Warner et al.			
	5,760,126	06/02/98	Engle et al.			
	5,766,398	06/16/98	Cahill et al.			
	5,876,595	03/02/99	Hanggi et al.			
1	5,932,355	08/03/99	Iqbal et al.			
	5,968,652	10/19/99	Hanggi et al.			·
	FOR	EIGN PATE	NT DOCUMENTS			
	Document Number	Date of Publication	Country	Class	SubClass	Translation Yes No
М	0 461 796 A1	12/18/91	EPO			162 140
M	0 570 515 B1	11/24/93	EPO			
4	WO 96/26074	08/29/96	PCT			
			1			1

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WO 96/26840

WO 97/18950

WO 97/33752

WO 97/33758

Date Considered

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05/29/97

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*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Based on Form PTO-FB-A820 (Also form PTO-1449)

Patent and Trademark Office, U.S. Department of Commerce

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	Document	t Number	Date of Publication	Country	Class	SubClass		slation
n	WO 99/03	3929	01/28/99	PCT			Yes	No
1	WO 99/07		02/18/99	PCT				
	WO 99/10		04/08/99	PCT				
	WO 99/22		05/06/99	PCT				
	WO 99/39		08/12/99	PCT				
	WO 99/42		08/26/99	PCT		1		1
1.	WO 99/55		11/04/99	PCT				
	WO 99/50		11/04/99	PCT				
1	WO 99/65		12/23/99	PCT				
	WO 99/65		12/23/99	PCT				
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	W.A. Zisı	man desc	ribed in "Rela	tion of Equilibri	um Contact A	ngle to Lie	quid a	
M	Solid Con	onstitution", ACS Advances in Chemistry Series #43, American Chemic						iical
	Society, 1	961, page	es 1-51					
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EXAMIN	ER	4	-	Date Conside				
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*Examiner: In	itial if reference consid	lered wheth	or not citation is	in conformance with M	1PEP 609; Draw lir	e through cita	tion if r	not in
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Page 3 of 5

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D	FORMATION ISCLOSURE	Att	y. Docket N	o.: 55188USA9C.014	Seria	l No.: 09/	778,4	75
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		U.S	S. PATENT	DOCUMENTS				
Examiner Initial	Document Number		Date	Name	Class	SubClass		Date If opriate
M	6,096,469 (U.S. Serial No. 09/314,	794)	08/01/00	Anderson et al.				
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	Document Number	ORE	IGN PATE. Date	NT DOCUMENTS Country	Class	SubClass	Tran	slation
	Document Number		Date	Country	Class	Dubelass	Yes	No
Ä	WO 00/47421	440	08/17/00	PCT			ľ	
	(U.S. Serial No. 09/249,	,110)	11/16/00	DCT				-
(WO 00/68301 (U.S. Serial No. 09/307,	577)	11/16/00	PCT				
	WO 00/71360	,511)	11/30/00	PCT			<u> </u>	<u> </u>
	(U.S. Serial No. 09/316,	830)						
1	WO 00/73082		12/07/00	PCT				
+	(U.S. Serial No. 09/324,	.093)	10/07/00	D.C.T.				├
1	WO 00/73083 A1	004)	12/07/00	PCT .				
	(U.S. Serial No. 09/324, OTHER DOCUMENT		oluding Au	there Title Date Per	tinent I	Papers of	·c)	L
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EXAMINER Date Considered 2127/03

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			Applicant(s): Engle et al.						
			Filing Date: February 7, 2001			Group:			
	-	******	U.S	S. PATENT	DOCUMENTS				
Examiner Initial		Document Numbe		Date	Name	Class	SubClass		Date If
		4,595,931		06/17/86	Toganoh et al.			Аррі	органе
		5,795,425		08/18/98	Brault et al.			1	
		5,837,375		11/17/98	Brault et al.		 -		
		5,969,069		10/19/99	Su et al.			<u> </u>	
		6,001,482		12/14/99	Anderson et al.				
		6,080,261		06/27/00	Popat et al.				
		6,124,417		09/26/00	Su				
		6,153,038		11/28/00	Brooker				
		6,165,593		12/26/00	Brault et al.				
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								<u> </u>	
	<u> </u>			-			<u> </u>		-
	<u> </u>	FC	RF	IGN PATE	NT DOCUMENTS	-			
	Document Number			Date	Country	Class	SubClass	Trans	slation
- 44		WO 05/06564		02/00/05	DOT!			Yes	No
- A		WO 95/06564		03/09/95	PCT				<u> </u>
-		WO 97/07991		03/06/97	PCT				
		WO 99/56682		11/11/99	PCT				
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